

San Luis Obispo County Integrated Proposal Schedule

Project Implementation Schedules

The San Luis Obispo County Integrated Proposal project implementation schedules show the sequence, timing and work items for each of the projects presented in the proposal and are consistent with the Work Plan and Budget. The schedules show a June 1, 2011 grant award date start and end dates, as well as milestones, for each work item contained in the Work Plan. The schedules include a reasonable estimate of the end date for each of the projects, allowing time for any final reports and invoicing. The schedules show any dependence on predecessors by showing links between work items within a project. Also, where there is a dependence on predecessors across projects these linkages are shown and described in the summary.

The following schedules are included in this attachment:

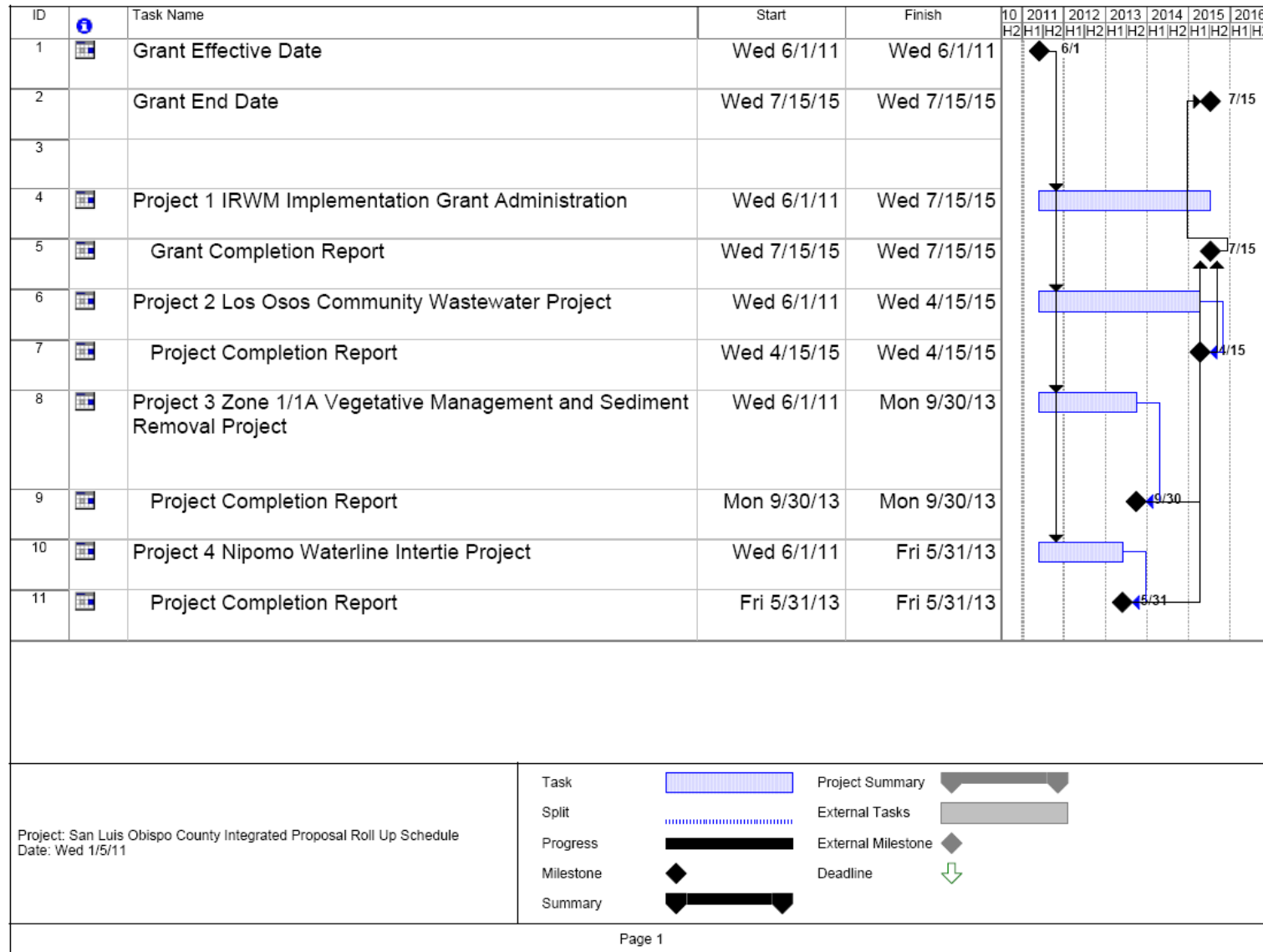
- Summary Schedule for the Proposal
- Project 1 IRWM Implementation Grant Administration
- Project 2 Los Osos Community Wastewater Project
- Project 3 Flood Control Zone 1/1a Waterway Management Program, 1st Year Vegetation and Sediment Management Project
- Project 4 Nipomo Waterline Intertie Project

Summary Schedule for the Proposal

A summary schedule for the proposal is included to show the start and end dates and project durations for each of the projects included in the Proposal. Additionally, the summary schedule illustrates the linkages between Projects 2, 3 and 4 with the Grant Administration Project 1. The Summary Schedule is included as Schedule 5-1. Significant dates shown on the schedule include:

Milestone	Date
Grant Effective Date	6/1/2011
Grant End Date	7/15/15
Project 1 IRWM Implementation Grant Administration	6/1/11 – 7/15/15
Project 2 Los Osos Community Wastewater Project	6/1/11 - 4/15/15
Project 3 Zone 1/1A Veg Management and Sed Removal	6/1/11 - 9/30/13
Project 4 Nipomo Waterline Intertie Project	6/1/11 - 5/31/13
IRWM Grant Completion Report	7/15/15

Schedule 5-1: San Luis Obispo County Integrated Proposal

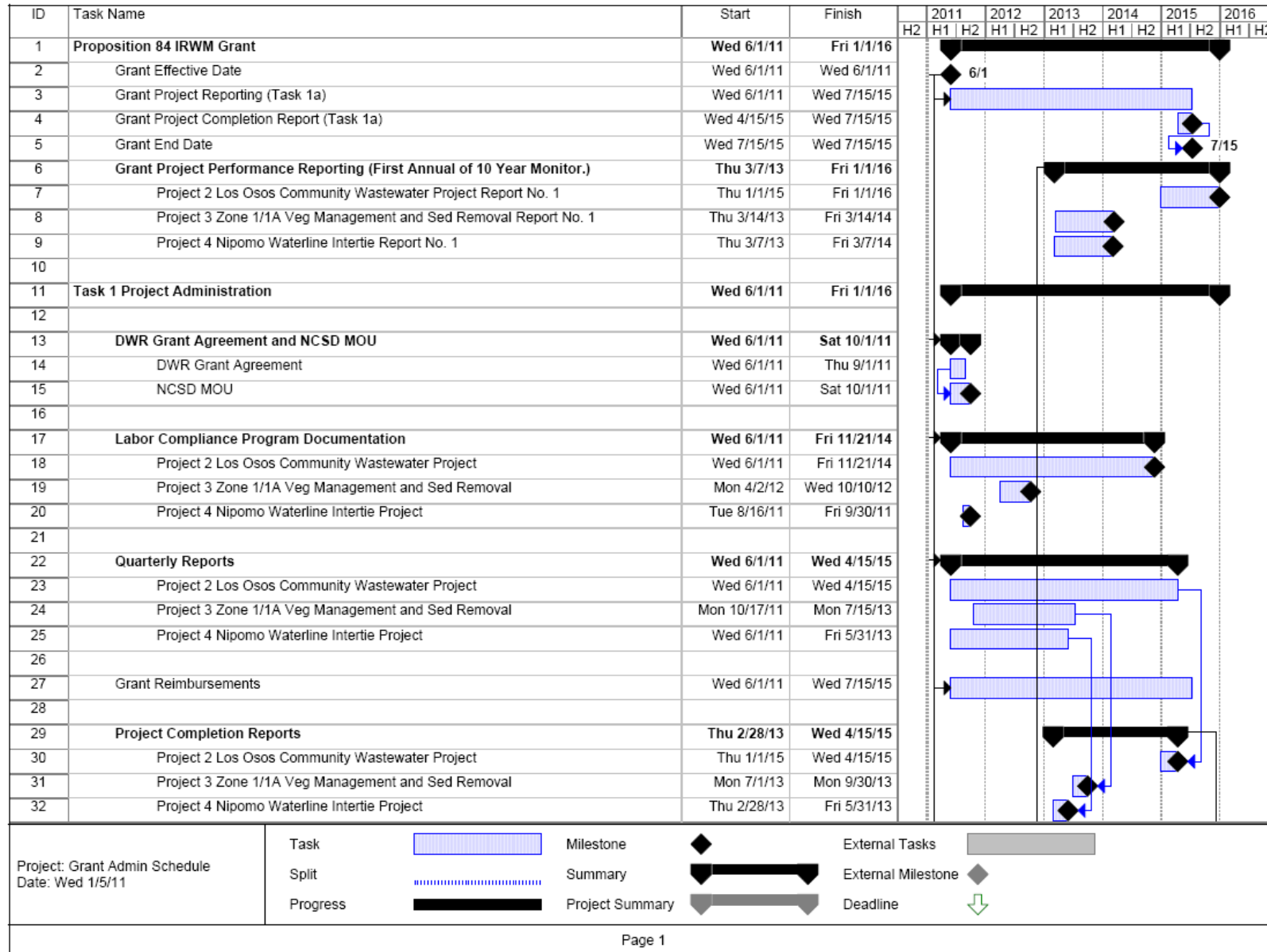


Project Number 1. IRWM Implementation Grant Administration

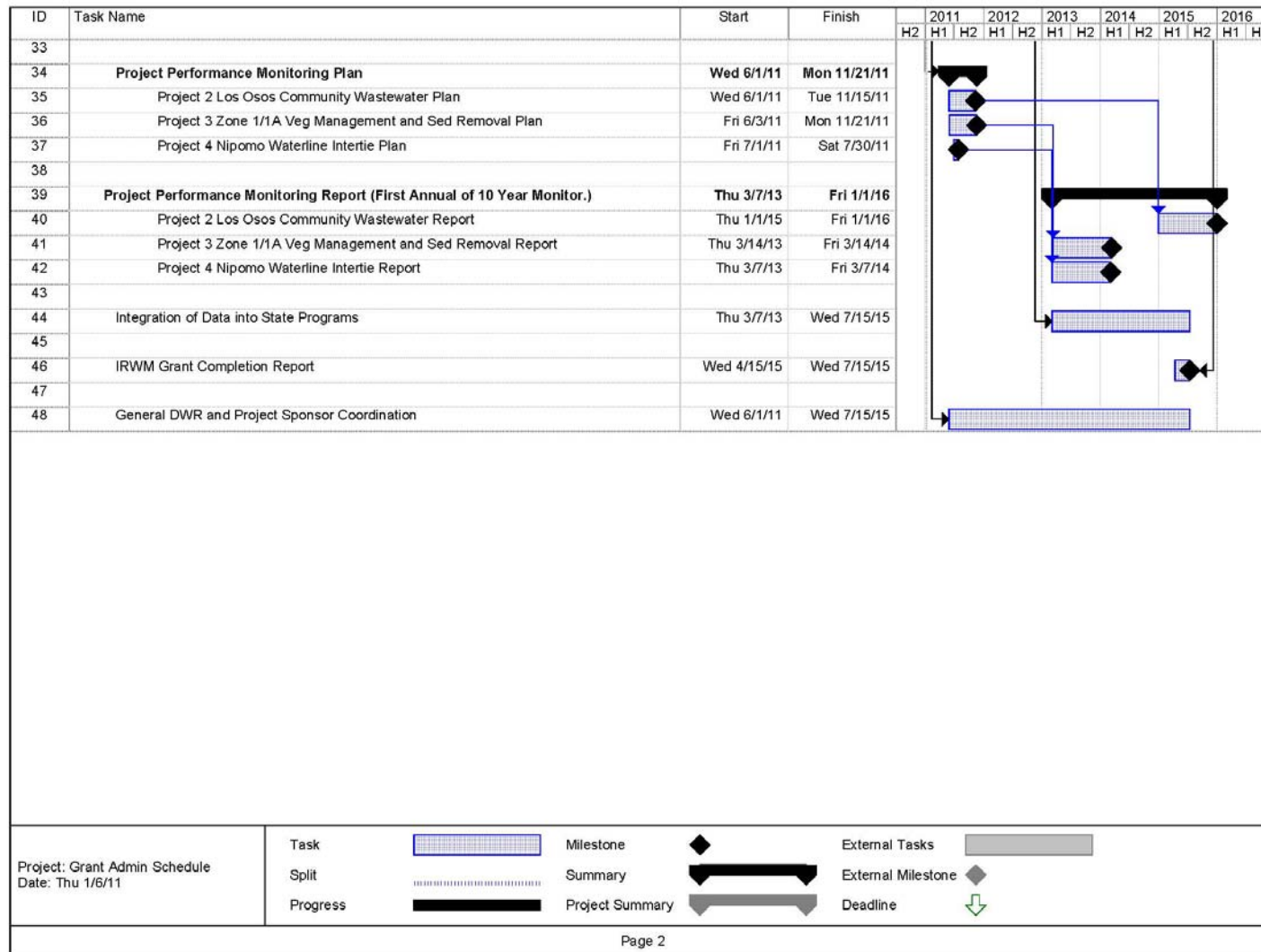
San Luis Obispo County (County) will be the grant administrator and fiscal agent for the Proposition 84 IRWM Implementation Grant, if awarded. This project will begin immediately upon notification of proposed grant award. This project schedule is assumed to begin June 1, 2011 as stated in the funding guidelines. The project will continue throughout the implementation of the three other projects in this proposal and through the final submittal of all grant reports and invoices as required by the grant agreement. The scheduled end date of this project and the IRWM grant is July 15, 2015, marked by the submittal of the IRWM Grant Project Completion Report. The Grant Completion Report will be submitted 90 days after the submittal of the last Project Completion Report. The IRWM Implementation Grant Administration project schedule (Schedule 5-2 below) is consistent with the Workplan in Attachment 3 and the Budget in Attachment 4. Significant milestones shown on the schedule include:

Milestone	Date	Comments
Grant Effective Date	6/1/2011	
Grant Project Completion Reports		
Project 2 Los Osos Community Wastewater Project	4/15/15	90 days after project completion
Project 3 Zone 1/1A Veg Management and Sed Removal	9/30/13	90 days after project completion
Project 4 Nipomo Waterline Intertie Project	5/31/13	90 days after project completion
IRWM Grant Completion Report	7/15/15	90 days after Los Osos Project Completion Report

Schedule 5-2: IRWM Implementation Grant Administration (Page 1 of 2)



Schedule 5-2: IRWM Implementation Grant Administration (Page 2 of 2)



Project Number 2. Los Osos Community Wastewater Project

A detailed project schedule for the Los Osos Community Wastewater Project is included as Schedule 5-3. Several project management, financing, engineering and environmental tasks are ongoing, as described in Attachment 3. Construction and implementation activities are scheduled to begin immediately following grant award, with the first project component (Collection and Distribution System) contracts being awarded by September 2011 and beginning construction by October 2011. The project is scheduled to be online in January 2015. A summary of the project milestones is as follows:

Critical construction contracting milestones, as shown in the schedule, are:

Milestone	Date	Comments
Collection System – Phase 1 Pipelines		Pipeline bid package for facilities that utilize previous LOCSD design.
Bid Advertise	October 2011	
Bid Award	October 2011	
Collection System – Phase 2 Pump Stations		Update to LOCSD design necessary for pump stations to deliver to out-of-town treatment site.
Bid Advertise	November 2011	
Bid Award	January 2012	
Recycled Water Distribution System		Recycled water components included in Collection Phase 2 bid package.
Bid Advertise	November 2011	
Bid Award	January 2012	
Treatment System Construction		
Design Build RFP Process	September 2011	
Contract Award for Design and Construction	November 2011	Some final design tasks may be concurrent with initial construction tasks.

Construction activities will begin immediately following award of the construction contracts. Construction activities will begin with the Phase 1 Pipelines as part of the collection system facilities. Critical construction dates, as shown in the schedule, are:

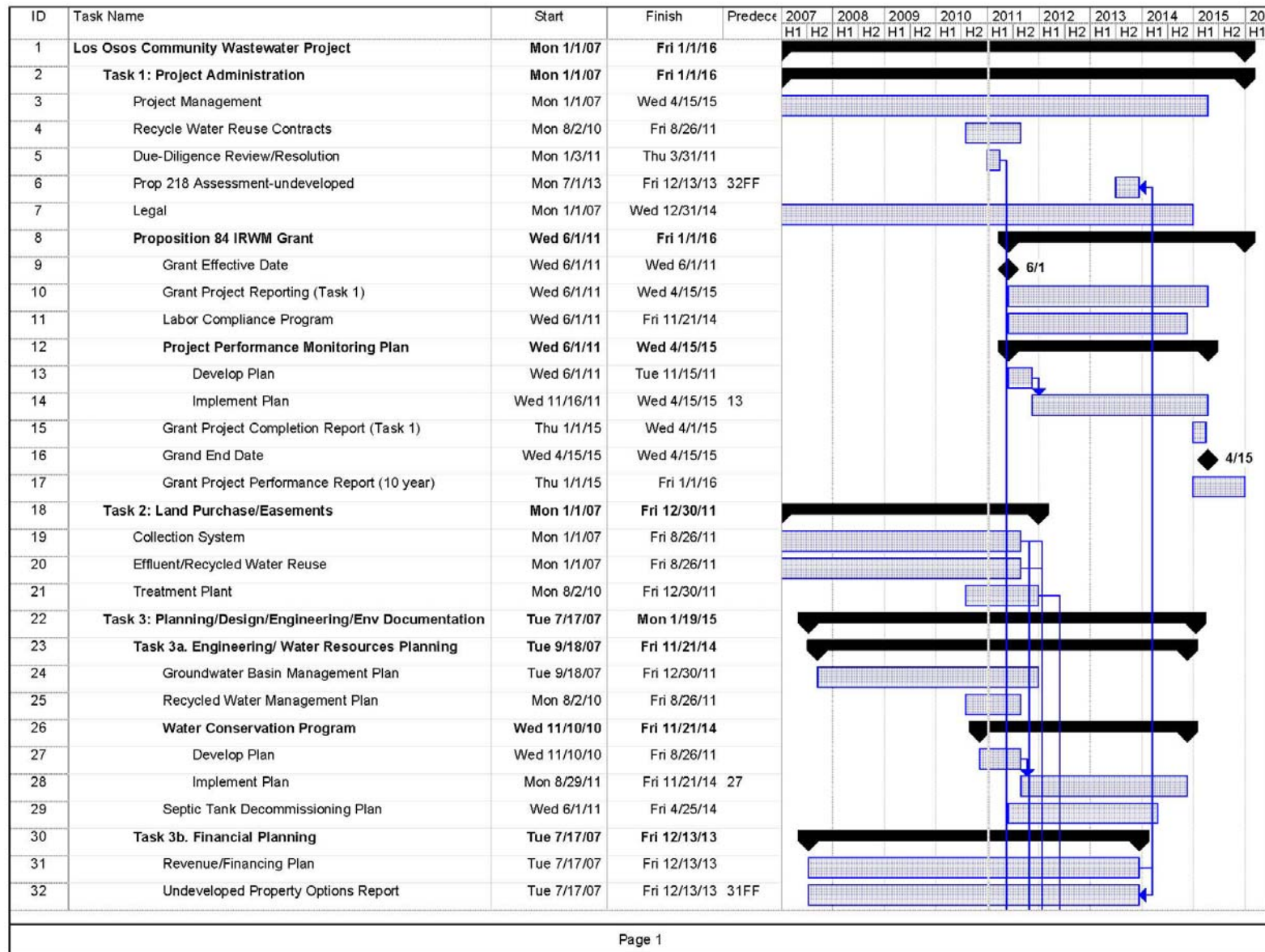
Milestone	Date	Comments
Collection System – Phase 1 Pipelines	10/28/11 – 11/21/14	Gravity pipelines and force mains.
Collection System – Phase 2 Pump Stations	1/30/12 – 11/21/14	Pump stations and out-of-town raw wastewater conveyance.
Recycled Water Distribution System	1/2/12 – 11/21/14	Recycled water mains and turn-outs combined with Collection Phase 2 bid package.
Treatment System Construction	6/1/12 – 11/21/14	Design-build contracting method.

Several reports will be required during and following construction activities, including monthly construction management reports, quarterly grant reports, and final project reports. Critical reporting milestones, as shown in the schedule, are:

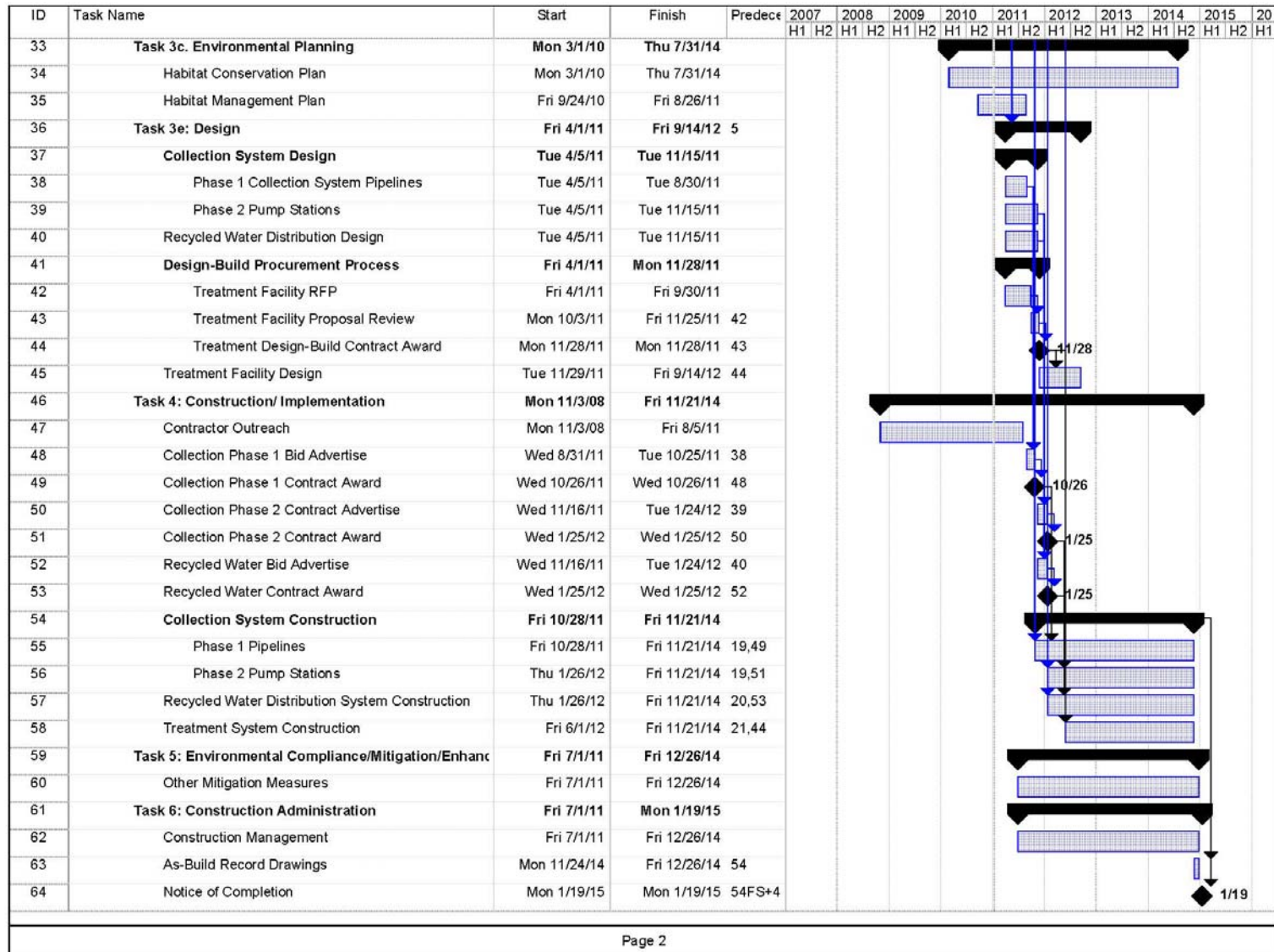
Milestone	Date	Comments
As-Built Record Drawings	December 2014	Records updated regularly during construction, final upon completion.
Notice of Completion	January 2015	
Grant Project Completion Report	April 2015	90 days after Notice of Completion
First Grant Project Performance Report	January 2016	After first operational year of project

The detailed project Schedule 5-3 shows a June 1, 2011 grant award date and an April 15, 2015 grant end date, which allows time for all final project reports, grant reports and grant invoicing.

Schedule 5-3 Los Osos Community Wastewater Project (1 of 2)



Schedule 5-3 Los Osos Community Wastewater Project (2 of 2)



Project Number 3. Flood Control Zone 1/1A Waterway Management Program, 1st Year Vegetation and Sediment Management Project

Workplan tasks on this project will begin immediately following notification of grant award. Without grant funding, this project would be postponed for approximately 10 years using only annual funds from the property tax assessment. Award of this grant would advance the construction completion date of this project from 2022 to 2012. A detailed project schedule for the Vegetation and Sediment Management Project is included as Schedule 5-4.

Critical construction contracting milestones, as shown in the schedule, are:

Milestone	Date	Comments
Board Approval to Advertise Construction	3/16/12	
Award of Construction Contract	5/16/12	
Notice to Proceed on Construction	6/5/12	

Construction activities will begin immediately following the Notice to Proceed. Construction activities within the creek channel may be limited by environmental agency permits (CDFG, ACOE). Due to the known presence of three endangered species, vegetation management ideally would be conducted after August 15th and before October 15th to avoid nesting birds, capitalize on the seasonal low water levels in the creek, and minimize the potential presence of other endangered aquatic species such as the steelhead and california red-legged frog. However, due to the potential complexity of the vegetation management in conjunction with the sediment removal we to start in June as long as the agency permits allow this to occur. Critical construction milestones, as shown in the schedule, are:

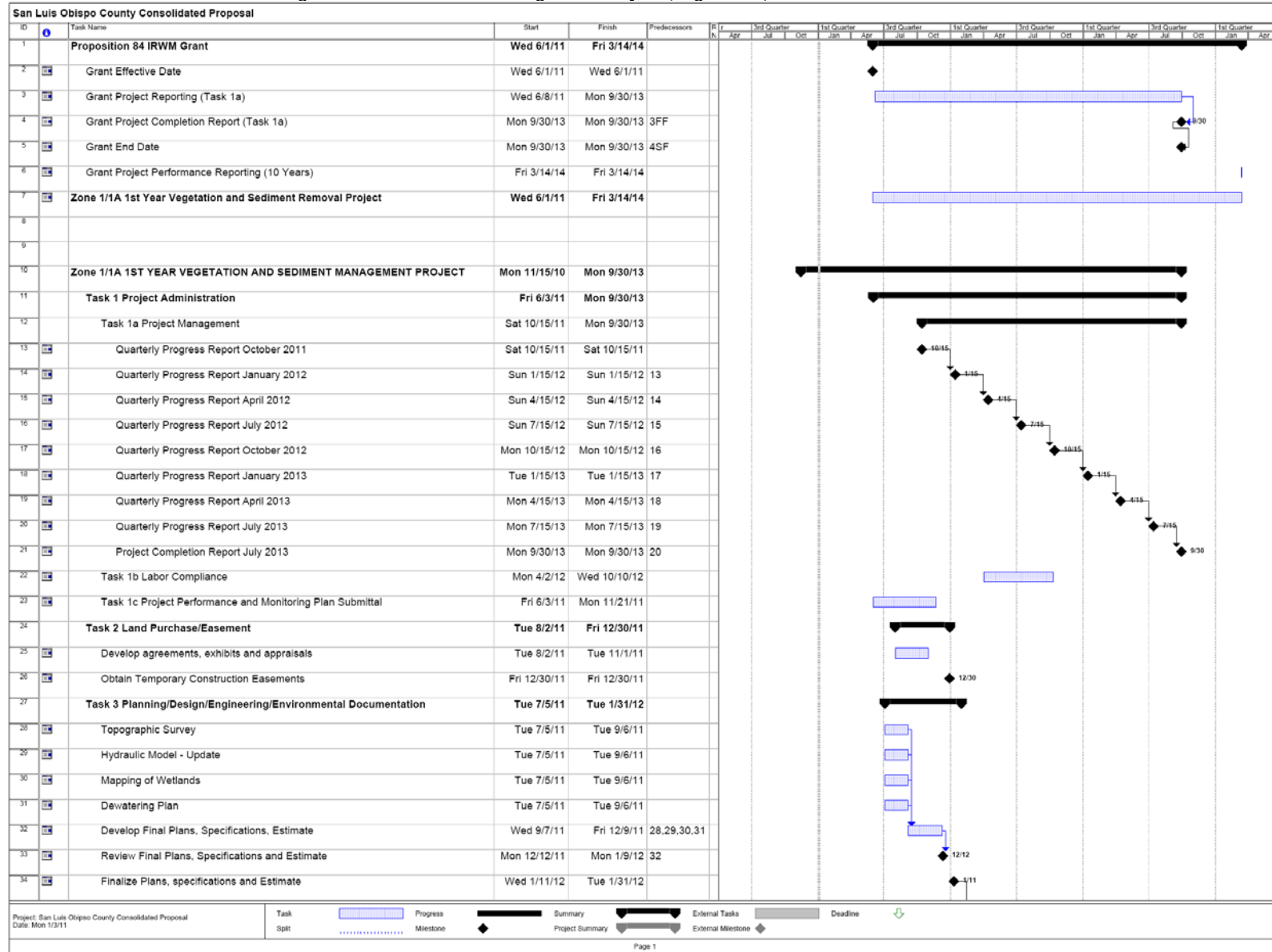
Milestone	Date	Comments
Vegetation Management	6/13/12 - 10/15/12	
Sediment Removal	6/12/12 - 10/15/12	
Mitigation Implementation	10/16/12 – 5/15/13	Task 5 activity

Several reports will be required during and following construction activities, including monthly construction management reports, quarterly grant reports, and final project reports. Critical reporting milestones, as shown in the schedule, are:

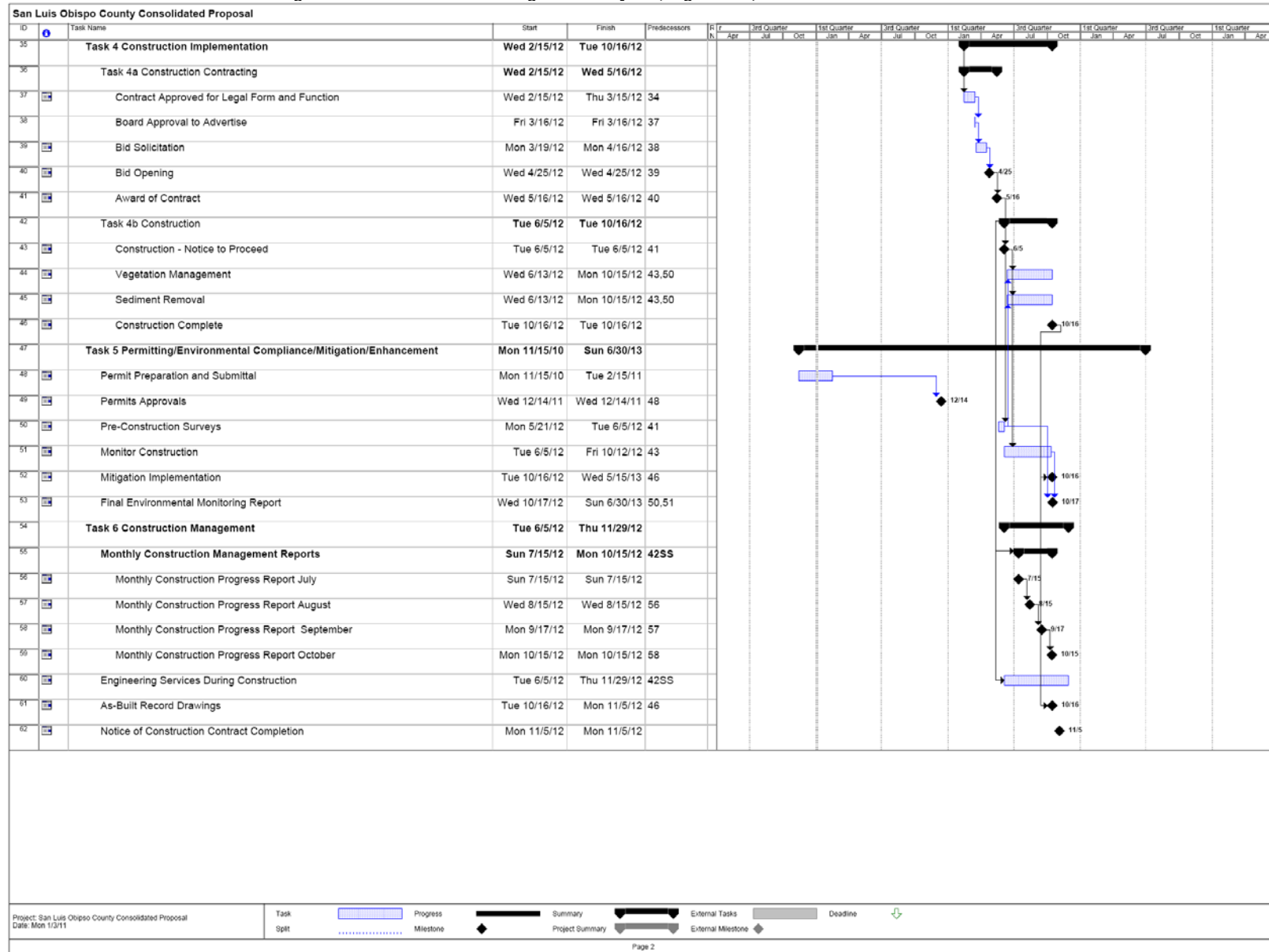
Milestone	Date	Comments
As-Built Record Drawings	11/5/12	
Notice of Completion	11/5/12	
Final Environmental Monitoring Report	6/30/13	Following completion of mitigation implementation
Grant Project Completion Report	9/30/13	90 days after Final Environmental Monitoring Report
First Grant Project Performance Report	3/14/14	After first operational year of project

The detailed project Schedule 5-4 shows a June 1, 2011 grant award date and a September 30, 2013 grant end date, which allows time for all final project reports, grant reports and grant invoicing.

Schedule 5-4 Zone 1/1A 1st Year Vegetation and Sediment Management Project (Page 1 of 2)



Schedule 5-4 Zone 1/1A 1st Year Vegetation and Sediment Management Project (Page 2 of 2)



Project Number 4. Nipomo Waterline Intertie Project

A detailed project schedule for the Nipomo Waterline Intertie Project is included as Schedule 5-5. The project is in the final design and permitting stage. The Nipomo Community Service District's goal is to secure financing for the project by June 2011 so that the project can be bid and immediately proceed to construction. Construction is tentatively set to begin in August 2011 and the project is currently scheduled to be online in December 2012. A summary of the project milestones is as follows:

Critical construction contracting milestones, as shown in the schedule, are:

Milestone	Date	Comments
Award Bid Package 1 – Santa Maria Crossing	8/30/11	Design-Build contracting
Award Bid Package 2 – Nipomo Pipelines	8/16/11	
Award Bid Package 3 – Waterline, Meter, Flow	8/16/11	
Award Bid Package 4 – Pump St., Reservoir	8/16/11	

Construction activities will begin immediately following the contract award and Notice to Proceed. Environmental constraints will limit the construction of Bid Package 1 to the April 15 through October 15 construction window. Critical construction milestones, as shown in the schedule, are:

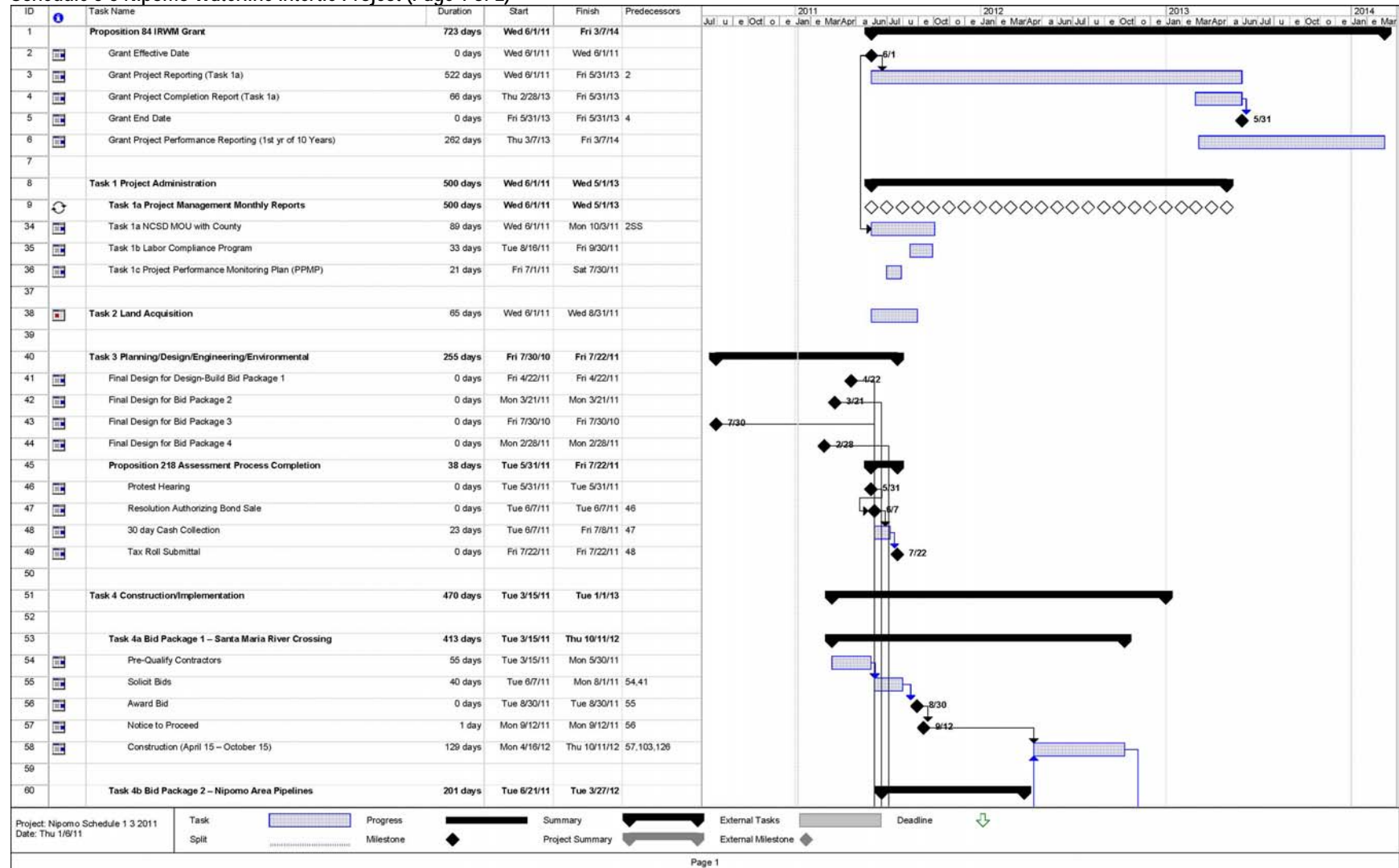
Milestone	Date	Comments
Bid Package 1 Construction	4/16/12 – 10/12/12	Restricted construction window
Bid Package 2 Construction	8/17/11 – 3/27/12	
Bid Package 3 Construction	8/17/11 – 2/28/12	
Bid Package 4 Construction	8/17/11 – 11/6/12	
System Startup	11/7/12 – 12/4/12	Project On-Line
System Testing	12/5/12 – 1/1/13	

Several reports will be required during and following construction activities, including monthly construction management reports, quarterly grant reports, and final project reports. Critical reporting milestones, as shown in the schedule, are:

Milestone	Date	Comments
As-Built Record Drawings	12/31/12	
Grant Project Completion Report	5/31/13	90 days after Final Construction Management Report
First Grant Project Performance Report	3/15/14	After first operational year of project

The detailed project Schedule 5-5 shows a June 1, 2011 grant award date and a May 31, 2013 grant end date, which allows time for all final project reports, grant reports and grant invoicing.

Schedule 5-5 Nipomo Waterline Intertie Project (Page 1 of 2)



Schedule 5-5 Nipomo Waterline Intertie Project (Page 2 of 2)

